

IN THE CLAIMS

Please amend the claims to read as follows:

Listing of Claims

1-7. (Canceled).

8. (Currently Amended) A method for producing an optical link with laser pulses between an emitter of the pulses and a receiver of the pulses, the optical link being used by a locating device for locating a body moving at constant speed away from the locating device, the method comprising:

delaying the start of emission of the laser pulses with respect to the departure of the moving body; and

producing said laser pulses by:

alternatively and successively charging and discharging a capacitor,

controlling the successive charges of said capacitor by successive rectangular

charging pulses whose durations are a linearly increasing function of time, and

supplying said emitter with the successive discharges of said capacitor

varying the energy of the successive laser pulses in proportion to the square of the time

elapsed since the start of emission of the pulses.

9. (Currently Amended) A device for producing an optical link with laser pulses between an emitter of the pulses and a receiver of the pulses, the optical link being used by a

locating device for locating a body moving at constant speed away from the locating device, said device comprising:

a delay section that delays the start of emission of the laser pulses with respect to the departure of the moving body; and

a controller that produces said laser pulses by:

alternatively and successively charging and discharging a capacitor,

controlling the successive charges of said capacitor by successive rectangular

charging pulses whose durations are a linearly increasing function of time, and

supplying said emitter with the successive discharges of said capacitor

an energy control section that varies the energy of the successive pulses in proportion to
the square of the time elapsed since the start of emission of the pulses.

10. (Previously Presented) The device as claimed in claim 9, wherein the emitter comprises at least one laser diode.

11. (Previously Presented) The device as claimed in claim 9, wherein the emitter comprises at least one vertical cavity surface emitting laser.

12. (Canceled).